

Proposition 400 Noise Mitigation

Transportation Policy Committee
July 16, 2008



Prop 400 Noise Mitigation Program

- **\$20 million remaining from Prop 400 funding.**
- **Provide additional noise mitigation for areas that:**
 - Exhibit high noise levels.
 - Feasible options exist that could reduce noise levels.
- **Provide added funding for projects that exceed ADOT cost effectiveness threshold – currently \$43,000 per affected property.**

Evaluation Process

- **Baseline noise monitoring conducted. TPC approved additional analysis.**
(December 2007 TPC)
- **FHWA approved TNM 2.5 noise model used.**
- **Results lowered by 4 dBA to account for rubberized asphalt.**
 - Rubberized asphalt not approved by FHWA for noise mitigation.
 - For projects with federal funds, noise levels would be 4 dBA higher than reported.
- **Under federal guidelines, all of the locations meet the ADOT noise threshold of 64 dBA.**

Locations Requested

■ Phoenix

- I-17 & Camelback
- I-10, 7th Ave to 15th Ave
- L101 & 51st Ave
- L101 & 7th St.
- SR51 & Greenway

■ Scottsdale

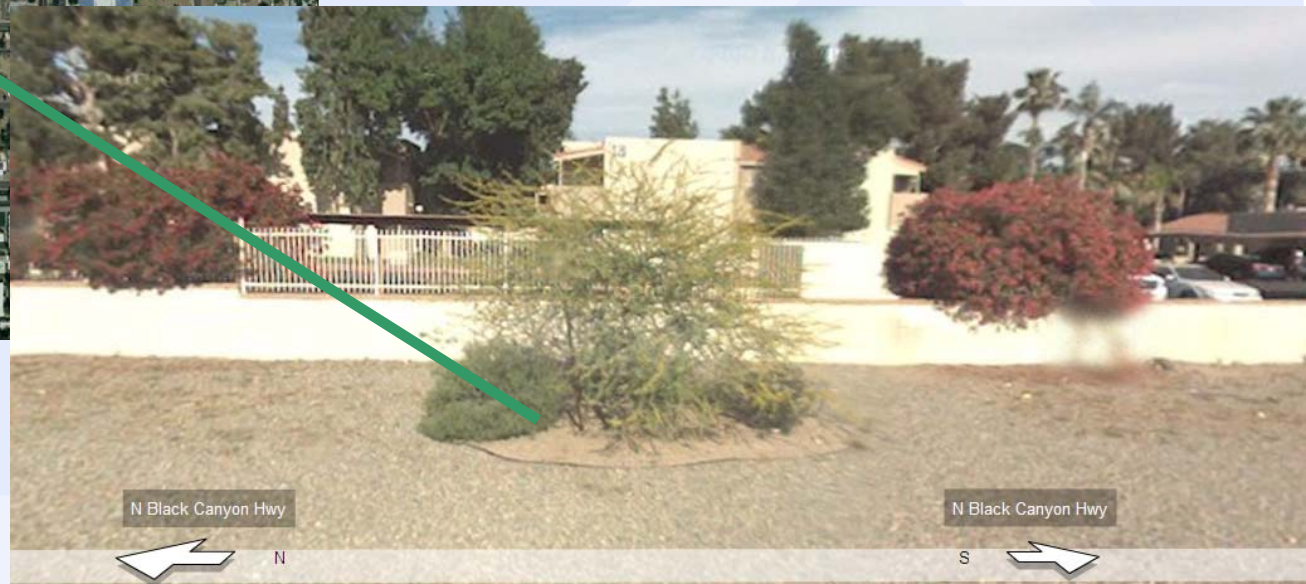
- L101 & 90th St
- L101 & Cactus

■ Peoria

- L101, Peoria to Grand
- L101, Olive to Peoria
- L101, Northern to Olive

■ Maricopa County

- L303, Deer Valley to north of Robertson D

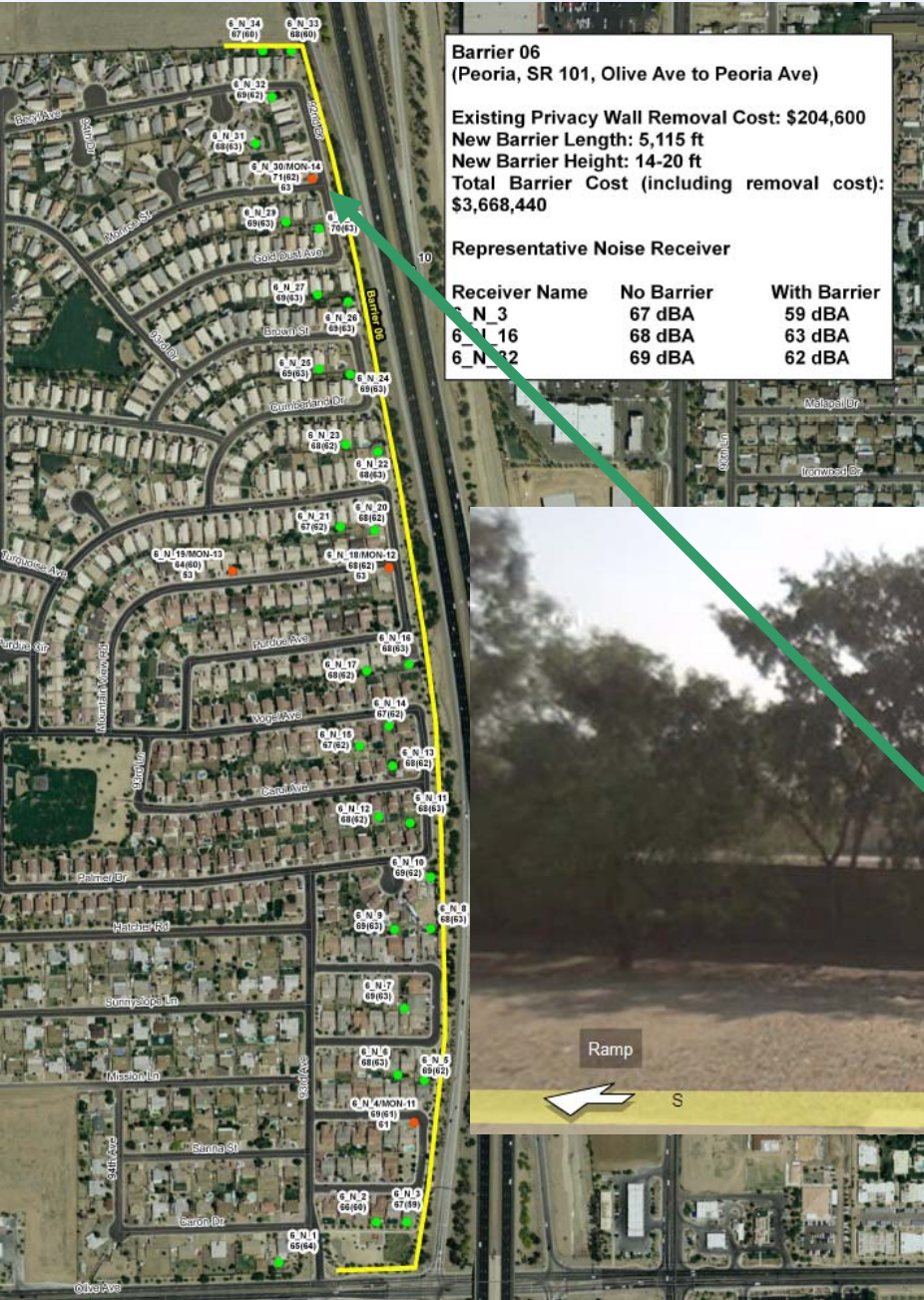










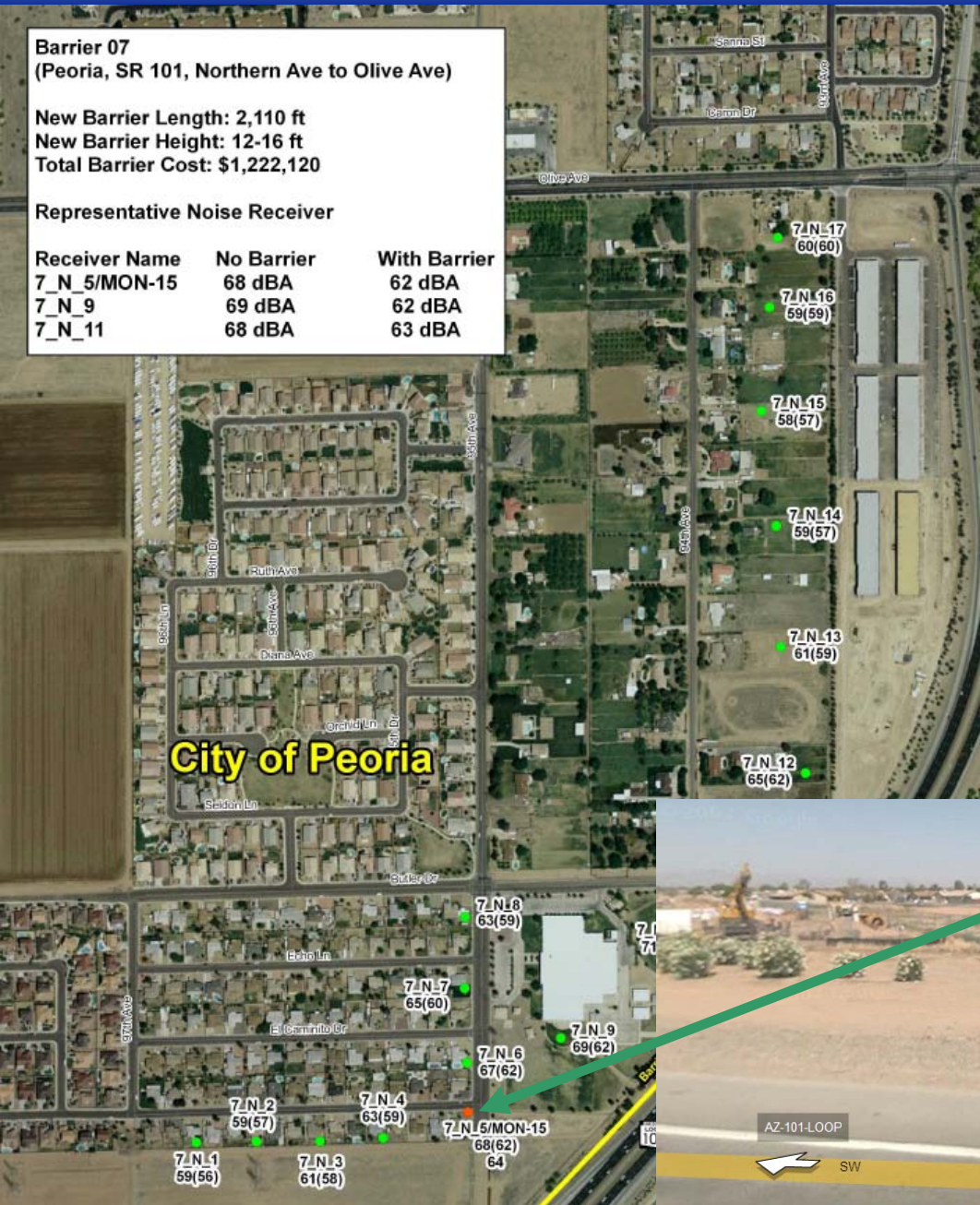


Barrier 07
(Peoria, SR 101, Northern Ave to Olive Ave)

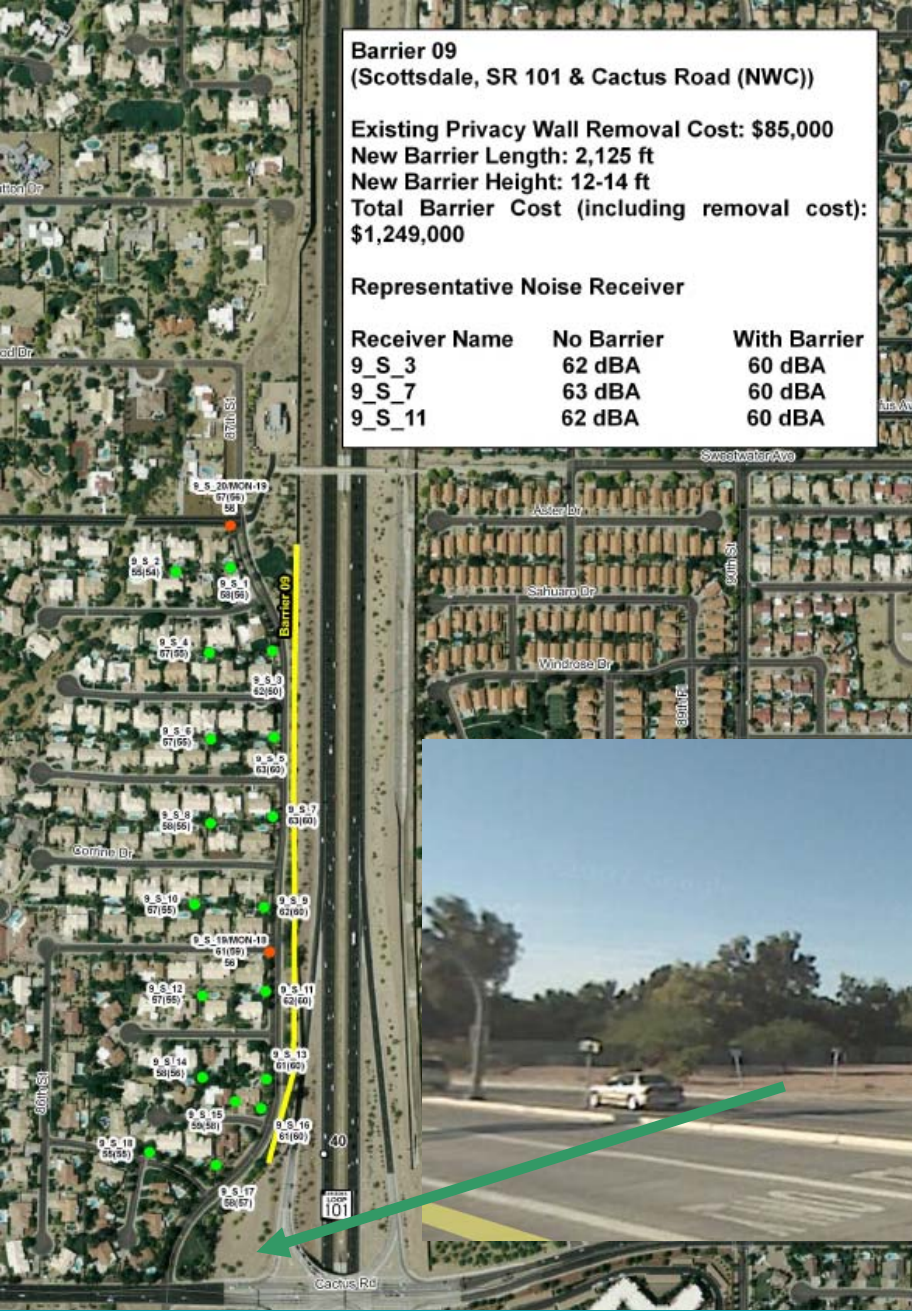
New Barrier Length: 2,110 ft
New Barrier Height: 12-16 ft
Total Barrier Cost: \$1,222,120

Representative Noise Receiver

Receiver Name	No Barrier	With Barrier
7_N_5/MON-15	68 dBA	62 dBA
7_N_9	69 dBA	62 dBA
7_N_11	68 dBA	63 dBA







Barrier 10
(Phoenix, SR 51 & Greenway Pkwy (NWC))

Existing Barrier Removal Cost: \$20,000
New Barrier Length: 1,899 ft
New Barrier Height: 12-16 ft
Total Barrier Cost (including removal cost): \$992,040

Representative Noise Receiver

Receiver Name	No Barrier	With Barrier
10_S_6	58 dBA	55 dBA
10_S_13	62 dBA	59 dBA
10_S_14	64 dBA	59 dBA





Contact Information

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